



Sample image

KH16B

Type Size: S1
Classification Contact: Rigid contact bridge
Classification Contact Mat: Silver
Classification Terminal: Screw terminal
IEC 60947-3 EN 60947-3, VDE 0660 Teil 107

Rated insulation voltage U_i							
		Voltage (V)		AC / DC			
		800		AC			
Rated impulse withstand voltage U_{imp}							
Voltage (kV)	Overtoltage category	Pollution degree	Supply system			Function	
6	III	3	Valid for lines with grounded common neutral termination			Switch / Switch disconnecter	
Rated uninterrupted current I_u/I_{th}							
Current (A)	Ambient temperature (°C)	Peak temperature (°C)	additional requirements				
16	50	55	Ambient temperature +50°C during 24 hours with peaks up to +55°C				
Conventional enclosed thermal current I_{the}							
Current (A)	Ambient temperature (°C)	Peak temperature (°C)	Additional requirements	No. of stages (from - to)	Mounting	Mounting size	
16	35	40	Ambient temperature +35°C during 24 hours with peaks up to +40°C	--	--	--	
Rated operational current I_e							
Utilization category			Voltage (V)		Current (A)		
AC-20A			800		16		
AC-21A			20 - 690		16		
AC-22A			20 - 690		16		
Rated operational power							
Utilization category		Voltage (V)	No. of phases	No. of poles		Power (kW)	
AC-3		220 - 240	3	3		3	
AC-3		380 - 440	3	3		5,50	
AC-3		500 - 500	3	3		5,50	
AC-3		660 - 690	3	3		5,50	
AC-3		110 - 120	1	2		0,55	
AC-3		220 - 240	1	2		1,50	
AC-3		380 - 440	1	2		2,50	
AC-3		500 - 500	1	2		3	
AC-3		660 - 690	1	2		3,70	
AC-23A		220 - 240	3	3		4,50	
AC-23A		380 - 440	3	3		7,50	
AC-23A		500 - 500	3	3		10	
AC-23A		660 - 690	3	3		13	
AC-23A		110 - 120	1	2		0,75	
AC-23A		220 - 240	1	2		2	
AC-23A		380 - 440	1	2		3,70	
AC-23A		500 - 500	1	2		4,50	
AC-23A		660 - 690	1	2		5	
Max. Fuse rating IEC							
Fuse characteristic			No. of Fuses		Current (A)		
gG			1		25		

UL60947-4-1, UL508

Rated insulation voltage U_i					
		Voltage (V)		AC / DC	
		600		AC	
Rated thermal current					
Current (A)		Ambient temperature (°C)	Additional Text		
16		0 - 40	-		

General Information

Text

- The operating handle and position indicating means to be used with these manual motor controllers should be provided from the manufacturer, or the operating handle and position indicating means to be used should have been previously evaluated in combination with the manual motor controllers.

GENERAL TECHNICAL INFORMATION

Tightening torque of screws	
<i>tightening torque (Nm)</i>	<i>tightening torque (lb-in)</i>
1,20	10

Rated short-time withstand current Icw	
<i>Time (s)</i>	<i>Current (A)</i>
1	400

Size of conductor				
<i>composition of conductor</i>	<i>Min. / Max. value</i>	<i>No. of conductor per terminal</i>	<i>Cross section (mm²) or (AWG/kcmil)</i>	<i>Material of the wire</i>
Flexible wire	Max.	1	AWG 12	Copper
Flexible wire	Max.	1	4mm ²	Copper
Single-core or stranded wire	Max.	1	6mm ²	Copper
Single-core or stranded wire	Max.	1	AWG 10	Copper
Flexible wire with sleeve	Max.	1	4mm ²	Copper

Approbations

<i>Specification</i>	<i>Marking</i>
CE marking	

UK Directives	
IEC 60947-3; EN 60947-3; VDE 0660 Teil107	IEC 60947-3 EN 60947-3

UL 60947-4-1; CSA C22.2 No. 60947-4-1	
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Power loss per pole	<i>Power (W)</i>
	0,20

Conditions during transport and storing		
<i>Minimum temperature (°C)</i>	<i>Maximum temperature (°C)</i>	<i>additional requirements</i>
-40	85	In case of temperatures below -5°C no shock load permissible

Shock / Vibration	
<i>Type of oscillation</i>	<i>Values</i>
Resistance to vibration	IEC 61373 (1999) Category 1, Class B

General Information

Text

- Use only copper wires with or without tinned/silver-plated individual wires. Soldering the end of the wire before wiring is not allowed.
- Terminals with factory fitted jumper links are tightened during production for loss prevention. When opening the terminal clamps, make sure that no factory fitted links get lost and that all wire connections are properly seated.
- After wiring, ALL terminal screws must be tightened to the specified torque values.
- The protection class of the selected mounting type may vary if optional extras are used.
- Do not lubricate or treat contacts.
- Switches may only be mounted, connected and set into operation by qualified persons according to the accepted rules of technology.

Operating temperature	
<i>Min. Temperature [°C]</i>	<i>Max. Temperature [°C]</i>
-5	55